

13281 U.S. PTO
022004

Patent
Attorney Docket No. 004501-760

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT
APPLICATION TRANSMITTAL LETTER

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Customer Number 21839

22857 U.S. PTO
10/781647

022004

Sir:

Enclosed for filing is the utility patent application entitled:

CONVERTER CIRCUIT WITH SHORT-CIRCUIT CURRENT PROTECTION

by the following named inventor(s):

Gerold KNAPP; Pascal MAURON; and Christoph STEMMLER

☒ Applicant(s) suggests Figure 1 for inclusion on the front page of the patent application publication and patent.

☒ Applicant(s) requests that the published application include the following assignment information:
ABB Schweiz AG, Baden, Switzerland

☐ Small entity status is claimed.

Also enclosed are:

DRAWINGS: 5 sheets of formal drawings sheets of informal drawings

DECLARATION: ☐ will follow ☒ executed, is enclosed ☐ unexecuted, is enclosed

ASSIGNMENT: ☒ is enclosed ☐ will follow

**CLAIM FOR
PRIORITY
UNDER 35 U.S.
C. § 119 and/or
365:**

☒ is made in the declaration ☐ is hereby made as follows

| Country | Appl. No. | Filing Date DD-MM-YYYY |
|---------|------------|---------------------------|
| Europe | 03405138.3 | 28-02-2003 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

☒ certified copy(ies) enclosed ☐ certified copy(ies) will follow

OTHER PAPERS: ☒ a General Authorization for Petitions for Extensions of Time and Payment of Fees
☒ an Information Disclosure Statement
☒ an Application Data Sheet (ADS)
☒ Preliminary Amendment

☒ The filing fee has been calculated as follows ☒ and in accordance with the enclosed preliminary amendment:

| CLAIMS | | | | | |
|--|------------------|------------|--------------|--------------------|------------------|
| | No. of Claims | | Extra Claims | Rate | Fee |
| Basic Application Fee (1001) | | | | | \$ 770.00 |
| Total Claims | 9 | MINUS 20 = | 0 | x \$18.00 (1202) = | \$ 0.00 |
| Independent Claims | 1 | MINUS 3 = | 0 | x \$86.00 (1201) = | \$ 0.00 |
| If multiple dependent claims are presented, add \$290.00 (1203) | | | | | \$ 0.00 |
| Total Application Fee | | | | | \$ 770.00 |
| <input type="checkbox"/> Small Entity Status claimed - subtract 50% of Total Application Fee | | | | | \$ 0.00 |
| Add Assignment Recording Fee of \$40.00 (8021) if Assignment document is enclosed. | | | | | \$ 40.00 |
| TOTAL APPLICATION FEE DUE | | | | | \$ 810.00 |

- ☐ This application is being filed without a filing fee. Issuance of a Notice to File Missing Parts of Application is respectfully requested.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☒ A check in the amount of \$ 810.00 is enclosed for the fee due.

- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Please address all correspondence concerning this application to:

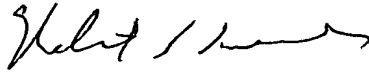
Burns, Doane, Swecker & Mathis, L.L.P.
Customer Number **2 1 8 3 9**
P.O. Box 1404
Alexandria, Virginia 22313-1404

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Filed: February 20, 2004

By 
Robert S. Swecker
Registration No. 19,885

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Gerold KNAPP et al.

Application No.: Unassigned

Filing Date: February 20, 2004

Title: CONVERTER CIRCUIT WITH SHORT-CIRCUIT CURRENT PROTECTION

Group Art Unit: Unassigned

Examiner: Unassigned

Confirmation No.: Unassigned

GENERAL AUTHORIZATION FOR PETITIONS
FOR EXTENSIONS OF TIME AND PAYMENT OF FEES

Assistant Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.136(a)(3), the U.S. Patent and Trademark Office is hereby provided with a general authorization to treat any concurrent or future reply requiring a petition for an extension of time for its timely submission as containing a request therefor for the appropriate length of time.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. § 1.17 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

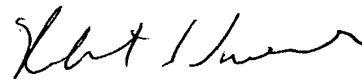
Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Date: February 20, 2004

By



Robert S. Swecker

Registration No. 19,885

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Gerold KNAPP et al.

Group Art Unit: Unassigned

Application No.: Unassigned

Examiner: Unassigned

Filing Date: February 20, 2004

Confirmation No.: Unassigned

Title: CONVERTER CIRCUIT WITH SHORT-CIRCUIT CURRENT PROTECTION

FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

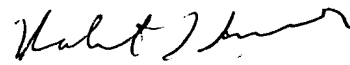
Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

Date: February 20, 2004

By



Robert S. Swecker
Registration No. 19,885